AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the Application.

Listing of Claims:

1-21 (Canceled).

22. (Previously presented) A method for operating a communication system, the method comprising:

receiving via a wireless packet communication link a message requesting setup of a voice call, the message comprising a destination address;

identifying one of at least one communication link based upon at least one of the destination address and predetermined routing information;

sending via the identified one of the at least one communication link signals requesting setup of the voice call;

receiving via the identified one of the at least one communication link signals representing call status; and

establishing voice communication between the wireless packet communication link and the identified one of the at least one communication link, if call status indicating establishment of a connection is received.

23. (Previously presented) The method of claim 22 further comprising:

refraining from establishing voice communication between the wireless packet communication link and the identified one of the at least one communication link, if call status indicating establishment of a connection is not received.

24. (Previously presented) The method of claim 22 wherein the wireless packet communication link communicates using a frequency of approximately 2.4 gigahertz.

25. (Previously presented) The method of claim 22 wherein the wireless packet communication link communicates using a frequency hopping spread spectrum technique.

26. (Previously presented) The method of claim 22 wherein the wireless packet communication link uses an Internet protocol (IP).

27. (Previously presented) The method of claim 26 wherein the wireless packet communication link uses the transmission control protocol (TCP)/Internet protocol (IP).

28. (Previously presented) The method of claim 22 wherein the at least one communication link comprises an Ethernet compatible network.

29. (Previously presented) The method of claim 28 wherein the destination address comprises an Internet protocol (IP) address.

30. (Previously presented) The method of claim 22 wherein the at least one communication link comprises a conventional telephone switching network.

31. (Previously presented) The method of claim 30 wherein the at least one communication link is an analog communication link.

32. (Previously presented) The method of claim 30 wherein the destination identifier comprises a telephone number.

33. (Previously presented) The method of claim 22 wherein the predetermined routing information comprises at least one association of a destination address and one of the at least one communication link.

34. (Previously presented) The method of claim 22 wherein the identifying is based upon a type of a destination address.

35. (Previously presented) The method of claim 34 wherein the type of a destination address is one of an Internet protocol (IP) address and a telephone number.

36. (Previously presented) The method of claim 22 wherein the identifying is based upon a value of a destination address.

37. (Previously presented) The method of claim 22 wherein the identifying is based upon a cost of use of a communication link.

38. (Previously presented) The method of claim 22 wherein the call status represents one of a busy condition, a ringing condition, and connection established condition.

39. (Previously presented) The method of claim 22 further comprising:

sending via the wireless packet communication link a message indicating call connection.

40. (Previously presented) The method of claim 22 wherein the establishing comprises converting information received from the wireless packet communication link for transmission via the identified one of the at least one communication link, and converting information received from the identified one of the at least one communication link for transmission via the wireless packet communication link.

41. (Previously presented) The method of claim 40 wherein the establishing comprises converting analog representations of voice signals to digital representations of voice signals, and converting digital representations of voice signals to analog representations of voice signals.

42. (Previously presented) The method of claim 41 wherein the converting digital representations of voice signals to analog representations of voice signals comprises buffering the digital representations for a period of time in order to minimize gaps in the resulting analog representation caused by changes in a propagation delay.

43. (Previously presented) The method of claim 22 wherein establishing voice communication comprises establishing communication of data.

44. (Previously presented) The method of claim 43 wherein the data comprises image data.

45. (Previously presented) A method for operating a communication system, the method comprising:

receiving via one of at least one communication link an indication of an incoming voice call, each of the at least one communication link having an associated type;

sending via a wireless packet communication link a message requesting setup of the voice call;

receiving via the wireless packet communication link a message indicating call status; and

establishing voice communication between the wireless packet communication link and the one of the at least one communication link based upon the associated type of the one of the at least one communication link, if call status indicating establishment of a connection is received.

46. (Previously presented) The method of claim 45 further comprising:

refraining from establishing voice communication between the wireless packet communication link and the one of the at least one communication link, if call status indicating establishment of a connection is not received.

47. (Previously presented) The method of claim 45 wherein the wireless packet communication link communicates using a frequency of approximately 2.4 gigahertz.

48. (Previously presented) The method of claim 45 wherein the wireless packet communication link communicates using a frequency hopping spread spectrum technique.

49. (Previously presented) The method of claim 45 wherein the wireless packet communication link uses an Internet protocol (IP).

50. (Previously presented) The method of claim 49 wherein the wireless packet communication link uses the transmission control protocol (TCP)/Internet protocol (IP).

51. (Previously presented) The method of claim 45 wherein the at least one communication link comprises an Ethernet compatible network.

52. (Previously presented) The method of claim 45 wherein the at least one communication link comprises a conventional telephone switching network.

53. (Previously presented) The method of claim 52 wherein the at least one communication link is an analog communication link.

54. (Previously presented) The method of claim 45 wherein the establishing is based upon the associated type of the one of the at least one communication link.

55. (Previously presented) The method of claim 45 wherein the call status represents one of a busy condition, a ringing condition, and connection established condition.

56. (Previously presented) The method of claim 45 wherein establishing comprises converting information received from the wireless packet communication link for transmission via the one of the at least one communication link, and converting information received from the one of the at least one communication link for transmission via the wireless packet communication link.

57. (Previously presented) The method of claim 56 wherein establishing comprises converting analog representations of voice signals to digital representations of voice signals, and converting digital representations of voice signals to analog representations of voice signals.

58. (Previously presented) The method of claim 57 wherein the converting digital representations of voice signals to analog representations of voice signals comprises buffering the digital representations for a period of time in order to minimize gaps in the resulting analog representation caused by changes in a propagation delay.

59. (Previously presented) The method of claim 45 wherein establishing voice communication comprises establishing communication of data.

60. (Previously presented) The method of claim 59 wherein the data comprises image data.

61. (Previously presented) A method of operating a communication system, the method comprising:

receiving via a wireless packet communication link at least one message requesting setup of a voice call, the at least one message comprising a destination address;

identifying a type of the destination address;

establishing voice communication between the wireless packet communication link and at least one wired communication link based upon at least one of a value of the destination address, the identified type of the destination address, and a cost of use of the at least one wired communication link; and

sending via the wireless packet communication link an indication of a call connected condition.

62. (Previously presented) The method of claim 61 wherein the wireless packet communication link communicates using a frequency of approximately 2.4 gigahertz.

63. (Previously presented) The method of claim 61 wherein the wireless packet communication link communicates using a frequency hopping spread spectrum technique.

64. (Previously presented) The method of claim 61 wherein the wireless packet communication link uses an Internet protocol (IP).

65. (Previously presented) The method of claim 64 wherein the wireless packet communication link uses the transmission control protocol (TCP)/Internet protocol (IP).

66. (Previously presented) The method of claim 61 wherein the at least one wired communication link comprises an Ethernet compatible network.

67. (Previously presented) The method of claim 61 wherein the at least one wired communication link comprises a conventional telephone switching network.

68. (Previously presented) The method of claim 61 wherein the type of destination address is one of an Internet protocol (IP) address and a telephone number.

69. (Previously presented) The method of claim 61 wherein the establishing comprises converting information received from the wireless packet communication link for transmission via the at least one wired communication link, and converting information received from the at least one wired communication link for transmission via the wireless packet communication link.

70. (Previously presented) The method of claim 69 wherein the establishing comprises converting analog representations of voice signals to digital representations of voice signals, and converting digital representations of voice signals to analog representations of voice signals.

71. (Previously presented) The method of claim 70 wherein the converting digital representations of voice signals to analog representations of voice signals comprises buffering the digital representations for a period of time in order to minimize gaps in the resulting analog representation caused by changes in a propagation delay.

72. (Previously presented) The method of claim 61 wherein establishing voice communication comprises establishing communication of data.

73. (Previously presented) The method of claim 72 wherein the data comprises image data.

74. (Previously presented) A system supporting voice communication comprising:

at least one processor capable of receiving via a wireless packet communication link at least one message requesting setup of a voice call, the at least one message comprising a destination address;

the at least one processor capable of identifying a type of the destination address;

the at least one processor capable of establishing voice communication between the wireless packet communication link and at least one wired communication link based upon at least one of a value of the destination

address, the identified type of the destination address, and a cost of use of the at least one wired communication link; and

the at least one processor capable of sending via the wireless packet communication link an indication of a call connected condition.

75. (Previously presented) The system of claim 74 wherein the wireless packet communication link communicates using a frequency of approximately 2.4 gigahertz.

76. (Previously presented) The system of claim 74 wherein the wireless packet communication link communicates using a frequency hopping spread spectrum technique.

77. (Previously presented) The system of claim 74 wherein the wireless packet communication link uses an Internet protocol (IP).

78. (Previously presented) The system of claim 77 wherein the wireless packet communication link uses the transmission control protocol (TCP)/Internet protocol (IP).

79. (Previously presented) The system of claim 74 wherein the at least one wired communication link comprises an Ethernet compatible network.

80. (Previously presented) The system of claim 74 wherein the at least one wired communication link comprises a conventional telephone switching network.

81. (Previously presented) The system of claim 74 wherein the type of destination address is one of an Internet protocol (IP) address and a telephone number.

82. (Previously presented) The system of claim 74 wherein the establishing comprises converting information received from the wireless packet communication link for transmission via the at least one wired communication link, and converting information received from the at least one wired communication link for transmission via the wireless packet communication link.

83. (Previously presented) The system of claim 82 wherein the establishing comprises converting analog representations of voice signals to digital representations of voice

signals, and converting digital representations of voice signals to analog representations of voice signals.

84. (Previously presented) The system of claim 83 wherein the converting digital representations of voice signals to analog representations of voice signals comprises buffering the digital representations for a period of time in order to minimize gaps in the resulting analog representation caused by changes in a propagation delay.

85. (Previously presented) The system of claim 74 wherein establishing voice communication comprises establishing communication of data.

86. (Previously presented) The system of claim 85 wherein the data comprises image data.

87. (Previously presented) A method for operating at least one circuit for use in a communication device, the method comprising:

transmitting to a communication system via a wireless packet communication link a message requesting setup of a voice call, where the message requesting setup of a voice call comprises a destination address and information to cause the communication system to, at least:

identify one of at least one communication link based upon at least one of the destination address and predetermined routing information;

send via the identified one of the at least one communication link one or more signals requesting setup of the voice call;

receive via the identified one of the at least one communication link one or more signals representing call status; and

establish voice communication between the wireless packet communication link and the identified one of the at least one communication link, if call status indicating establishment of a connection is received.

88. (Previously presented) The method of claim 87, where the message requesting setup of a voice call comprises information to cause the communication system to, at

least, refrain from establishing voice communication between the wireless packet communication link and the identified one of the at least one communication link, if call status indicating establishment of a connection is not received.

89. (Previously presented) The method of claim 87, where the wireless packet communication link uses an Internet protocol (IP).

90. (Previously presented) The method of claim 87, where the at least one communication link comprises an Ethernet compatible network.

91. (Previously presented) The method of claim 87, where the at least one communication link comprises a conventional telephone switching network.

92. (Previously presented) The method of claim 87, where the predetermined routing information comprises at least one association of a destination address and one of the at least one communication link.

93. (Previously presented) The method of claim 87, where the identifying is based, at least in part, upon a type of a destination address.

94. (Previously presented) The method of claim 93, where the type of a destination address is one of an Internet protocol (IP) address and a telephone number.

95. (Previously presented) The method of claim 87, where the identifying is based, at least in part, upon a cost of use of a communication link.

96. (Previously presented) The method of claim 87, where the message requesting setup of a voice call comprises information to cause the communication system to, at least, send to the communication device via the wireless packet communication link a message indicating call connection, the method further comprising receiving the message indicating call connection.

97. (Previously presented) The method of claim 87, where the message requesting setup of a voice call comprises information to cause the communication system to

establish voice communication between the wireless packet communication link and the identified one of the at least one communication link by, at least:

converting information received from the wireless packet communication link for transmission via the identified one of the at least one communication link; and

converting information received from the identified one of the at least one communication link for transmission via the wireless packet communication link.

98. (Previously presented) The method of claim 87, where the message requesting setup of a voice call comprises information to cause the communication system to establish voice communication between the wireless packet communication link and the identified one of the at least one communication link by, at least in part, establishing communication of data.

99. (Previously presented) The method of claim 98, wherein the data comprises image data.

100. (Previously presented) At least one circuit for use in a communication device, the at least one circuit operational to, at least:

transmit to a communication system via a wireless packet communication link a message requesting setup of a voice call, where the message requesting setup of a voice call comprises: a destination address and information to cause the communication system to, at least:

identify one of at least one communication link based upon at least one of the destination address and predetermined routing information;

send via the identified one of the at least one communication link one or more signals requesting setup of the voice call;

receive via the identified one of the at least one communication link one or more signals representing call status; and

establish voice communication between the wireless packet communication link and the identified one of the at least one

communication link, if call status indicating establishment of a connection is received.

101. (Previously presented) The at least one circuit of claim 100, where the message requesting setup of a voice call comprises information to cause the communication system to, at least, refrain from establishing voice communication between the wireless packet communication link and the identified one of the at least one communication link, if call status indicating establishment of a connection is not received.

102. (Previously presented) The at least one circuit of claim 100, where the wireless packet communication link uses an Internet protocol (IP).

103. (Previously presented) The at least one circuit of claim 100, where the at least one communication link comprises an Ethernet compatible network.

104. (Previously presented) The at least one circuit of claim 100, where the at least one communication link comprises a conventional telephone switching network.

105. (Previously presented) The at least one circuit of claim 100, where the predetermined routing information comprises at least one association of a destination address and one of the at least one communication link.

106. (Previously presented) The at least one circuit of claim 100, where the identifying is based, at least in part, upon a type of a destination address.

107. (Previously presented) The at least one circuit of claim 106, where the type of a destination address is one of an Internet protocol (IP) address and a telephone number.

108. (Previously presented) The at least one circuit of claim 100, where the identifying is based, at least in part, upon a cost of use of a communication link.

109. (Previously presented) The at least one circuit of claim 100, where:

the message requesting setup of a voice call comprises information to cause the communication system to, at least, send to the communication device

via the wireless packet communication link a message indicating call connection; and

the at least one circuit is operational to, at least, receive the message indicating call connection.

110. (Previously presented) The at least one circuit of claim 100, where the message requesting setup of a voice call comprises information to cause the communication system to establish voice communication between the wireless packet communication link and the identified one of the at least one communication link by, at least:

converting information received from the wireless packet communication link for transmission via the identified one of the at least one communication link; and

converting information received from the identified one of the at least one communication link for transmission via the wireless packet communication link.

111. (Previously presented) The at least one circuit of claim 100, where the message requesting setup of a voice call comprises information to cause the communication system to establish voice communication between the wireless packet communication link and the identified one of the at least one communication link by, at least in part, establishing communication of data.

112. (Previously presented) The at least one circuit of claim 100, where the data comprises image data.

113. (Previously presented) The at least one circuit of claim 100, where the communication device is a mobile communication device.

114. (Previously presented) A method for operating at least one circuit for use in a communication device, the method comprising:

receiving from a communication system via a wireless packet communication link a message requesting setup of a voice call, the voice call corresponding to an indication received by the communication system via one of at least one communication link having an associated type; and

sending to the communication system via the wireless packet communication link a message indicating call status, where the message indicating call status comprises information to cause the communication system to establish voice communication between the wireless packet communication link and the one of the at least one communication link based upon the associated type of the one of the at least one communication link.

115. (Previously presented) The method of claim 114, where the message indicating call status comprises information to cause the communication system to refrain from establishing voice communication between the wireless packet communication link and the one of the at least one communication link.

116. (Previously presented) The method of claim 114, where the wireless packet communication link uses an Internet protocol (IP).

117. (Previously presented) The method of claim 114, where the at least one communication link comprises an Ethernet compatible network.

118. (Previously presented) The method of claim 114, where the at least one communication link comprises a conventional telephone switching network.

119. (Previously presented) The method of claim 118, where the one of the at least one communication link is an analog communication link.

120. (Previously presented) The method of claim 114, where the message indicating call status comprises information to cause the communication system to establish voice communication between the wireless packet communication link and the one of the at least one communication link by, at least in part:

converting information received from the wireless packet communication link for transmission via the one of the at least one communication link; and

converting information received from the one of the at least one communication link for transmission via the wireless packet communication link.

121. (Previously presented) The method of claim 114, where the message indicating call status comprises information to cause the communication system to establish voice communication between the wireless packet communication link and the one of the at least one communication link by, at least in part, establishing communication of data.

122. (Previously presented) The method of claim 121, where the data comprises image data.

123. (Previously presented) At least one circuit for use in a communication device, the at least one circuit operational to, at least:

receive from a communication system via a wireless packet communication link a message requesting setup of a voice call, the voice call corresponding to an indication received by the communication system via one of at least one communication link having an associated type; and

send to the communication system via the wireless packet communication link a message indicating call status, where the message indicating call status comprises information to cause the communication system to establish voice communication between the wireless packet communication link and the one of the at least one communication link based upon the associated type of the one of the at least one communication link.

124. (Previously presented) The at least one circuit of claim 123, where the message indicating call status comprises information to cause the communication system to refrain from establishing voice communication between the wireless packet communication link and the one of the at least one communication link.

125. (Previously presented) The at least one circuit of claim 123, where the wireless packet communication link uses an Internet protocol (IP).

126. (Previously presented) The at least one circuit of claim 123, where the at least one communication link comprises an Ethernet compatible network.

127. (Previously presented) The at least one circuit of claim 123, where the at least one communication link comprises a conventional telephone switching network.

128. (Previously presented) The at least one circuit of claim 127, where the one of the at least one communication link is an analog communication link.

129. (Cancelled).

130. (Previously presented) The at least one circuit of claim 123, where the message indicating call status comprises information to cause the communication system to establish voice communication between the wireless packet communication link and the one of the at least one communication link by, at least in part, converting information received from the wireless packet communication link for transmission via the one of the at least one communication link, and converting information received from the one of the at least one communication link for transmission via the wireless packet communication link.

131. (Previously presented) The at least one circuit of claim 123, where the message indicating call status comprises information to cause the communication system to establish voice communication between the wireless packet communication link and the one of the at least one communication link by, at least in part, establishing communication of data.

132. (Previously presented) The at least one circuit of claim 131, where the data comprises image data.

133. (Previously presented) The at least one circuit of claim 131, where the communication device is a mobile communication device.

134. (Previously presented) A method for operating at least one circuit for use in a communication device, the method comprising:

sending to a communication system via a wireless packet communication link at least one message requesting setup of a voice call, where the at least one message requesting setup of a voice call comprises a destination address and information to cause the communication system to, at least:

identify a type of the destination address;

establish voice communication between the wireless packet communication link and at least one wired communication link based upon at least one of: a value of the destination address, the identified type of the destination address, and a cost of use of the at least one wired communication link; and

send via the wireless packet communication link a message comprising an indication of a call connected condition; and

receiving the message comprising an indication of a call connected condition via the wireless packet communication link from the communication system.

135. (Previously presented) The method of claim 134, where the wireless packet communication link uses an Internet protocol (IP).

136. (Previously presented) The method of claim 134, where the at least one wired communication link comprises an Ethernet compatible network.

137. (Previously presented) The method of claim 134, where the at least one wired communication link comprises a conventional telephone switching network.

138. (Previously presented) The method of claim 134, where the type of the destination address is one of an Internet protocol (IP) address and a telephone number.

139. (Previously presented) The method of claim 134, where the at least one message requesting setup of a voice call comprises information to cause the communication system to establish voice communication between the wireless packet communication link and at least one wired communication link by, at least in part, converting information received from the wireless packet communication link for transmission via the at least one wired communication link, and converting information received from the at least one wired communication link for transmission via the wireless packet communication link.

140. (Previously presented) The method of claim 134, where the at least one message requesting setup of a voice call comprises information to cause the communication system to establish voice communication between the wireless packet communication

link and at least one wired communication link by, at least in part, establishing communication of data.

141. (Previously presented) The method of claim 140, where the data comprises image data.

142. (Previously presented) At least one circuit for use in a communication device, the at least one circuit operational to, at least:

send to a communication system via a wireless packet communication link at least one message requesting setup of a voice call, where the at least one message requesting setup of a voice call comprises a destination address and information to cause the communication system to, at least:

identify a type of the destination address;

establish voice communication between the wireless packet communication link and at least one wired communication link based upon at least one of a value of the destination address, the identified type of the destination address, and a cost of use of the at least one wired communication link; and

send via the wireless packet communication link a message comprising an indication of a call connected condition; and

receive the message comprising an indication of a call connected condition via the wireless packet communication link from the communication system.

143. (Previously presented) The at least one circuit of claim 142, where the wireless packet communication link uses an Internet protocol (IP).

144. (Previously presented) The at least one circuit of claim 142, where the at least one wired communication link comprises an Ethernet compatible network.

145. (Previously presented) The at least one circuit of claim 142, where the at least one wired communication link comprises a conventional telephone switching network.

146. (Previously presented) The at least one circuit of claim 142, where the type of the destination address is one of an Internet protocol (IP) address and a telephone number.

147. (Previously presented) The at least one circuit of claim 142, where the at least one message requesting setup of a voice call comprises information to cause the communication system to establish voice communication between the wireless packet communication link and at least one wired communication link by, at least in part, converting information received from the wireless packet communication link for transmission via the at least one wired communication link, and converting information received from the at least one wired communication link for transmission via the wireless packet communication link.

148. (Previously presented) The at least one circuit of claim 142, where the at least one message requesting setup of a voice call comprises information to cause the communication system to establish voice communication between the wireless packet communication link and at least one wired communication link by, at least in part, establishing communication of data.

149. (Previously presented) The at least one circuit of claim 148, where the data comprises image data.

150. (Previously presented) The at least one circuit of claim 142, where the communication device comprises a mobile communication device.